

APO Imager Preliminary Design Review

J. Huehnerhoff (Project Engineer)
W. Ketzeback (Project Manager)
F. Stauffer (Software Engineer)
E.Leon (Electronics Engineer)

DAY 1 (October 30, 2013)

08:30 – 08:40 Opening welcome and introductions – M.Klaene

08:40 – 09:15 History and need to retire SPICam, review of science drivers / design requirements document, comparison with current imagers – W.Ketzeback

09:15 – 09:30 Brief overview of new imager (expected weight, heat output, power requirements, components and subsystems,) – J. Huehnerhoff

09:30 – 10:00 Optics review (part 1 – Introduction, Layout, FOV, & Spot Diagrams) – J.Huehnerhoff

10:00 – 10:15 Mid-morning break

10:15 – 11:30 Optics review (part 2 – CCD choice, tolerances, etc) – J.Huehnerhoff

11:30 – 12:30 Lunch

12:30 – 13:30 Filter wheel and mechanical structure review – J.Huehnerhoff

13:30 – 14:30 Shutter mechanical review (and demonstration?) – J.Huehnerhoff

14:30 – 14:45 Mid afternoon break

14:45 – 15:30 Dewar and cooling system review – J.Huehnerhoff

15:30 – 16:15 Electronics review (Leach readout, metrology and robotics) – E.Leon

16:15 – 17:00 ICC and software requirements (TUI integrations and operations) – F.Stauffer / W.Ketzeback

DAY 2 (October 31, 2013)

08:30 – 09:15 Instrument model analysis (i.e. putting it all together: models, FEA, thermal modeling, etc.)– J.Huehnerhoff

09:15 – 10:00 Schedule review - W.Ketzeback / J.Huehnerhoff

10:00 – 10:15 Mid morning break

10:15 – 11:15 Budget, cost and manpower breakdown – W.Ketzeback

11:15 - 11:30 Contingency

11:30 – 12:30 Lunch

12:00 – 13:30 Review committee meet – (Wilson / Harding / Doherty / Hawley / Klaene / Holtzman / Uomoto)

13:30 – 14:00 Review committee presents their unofficial recommendations to project team

14:00 End of meeting / wrap-up / Thank you – W. Ketzeback